
DR. SAHANA H. BALASUBRAMANYA

Webpage : <http://hbsahana.com/math/index.htm>

PERSONAL INFORMATION

Date of Birth: 16 October, 1989
Email: hassanba@lafayette.edu

APPOINTMENTS

- 2023 – *Assistant Professor*, Department of Mathematical Sciences
Lafayette College, USA
- 2022 – 23 *Visiting Assistant Professor*, Department of Mathematics
State University of New York at Buffalo, USA
Mentors: Dr.Johanna Mangahas
- 2019 – 22 *Postdoctoral Research Associate*, Cluster of Excellence
Westfälische Wilhems- Universität Münster, Germany
Mentor: Dr.Katrin Tent
- 2018 – 19 *Visiting Assistant Professor*, Department of Mathematics
The University of North Carolina at Greensboro, USA
Mentor: Dr.Talia Fernós

EDUCATION

- 2013 – 18 *Ph.D. Mathematics*, Vanderbilt University, Nashville, TN, USA
Thesis advisor: Dr. Denis Osin
Thesis title : Hyperbolic structures on groups
- 2013 – 15 *Master of Science Mathematics*, Vanderbilt University, Nashville, TN, USA
- 2010 – 12 *M.A. Mathematics*, Lady Shri Ram College for Women, University of Delhi, New Delhi, India
Result: First Division with Distinction
- 2007 – 10 *B.A. Mathematics*, Lady Shri Ram College for Women, University of Delhi, New Delhi, India
Result: First Division with Distinction

RESEARCH AREAS

- *Geometric group theory*: Constructing, studying and classifying (isometric) group actions on hyperbolic spaces, actions on products of hyperbolic spaces, acylindrical actions and acylindrically hyperbolic groups
- *Applications of mathematics to economic theory*: Ground water conservation, Impact assessment

ACADEMIC AWARDS & HONORS

- 2026 Faculty Research Grant, Lafayette College, USA (USD 3300)
- 2025 Travel award to attend M.Bridon’s birthday conference (from NSF grant), Cornell University, USA
Travel award to attend “Groups in Geometry, Analysis, and Logic” conference, Vanderbilt University, USA
- 2024–25 Project NExT fellow, “Azure” 2024 (Blue) Cohort, Mathematical Association of America (MAA)
- 2023–27 Recipient of start-up grant, Lafayette College (USD 10,000)
- 2023 Selected for President’s Postdoctoral Fellowship Program (PPFP), School of Mathematics,
Georgia Institute of Technology (*declined*)
- 2022 Recipient of start-up grant, SUNY Buffalo (USD 5000)
- 2021 Selected for the ‘Erstklassig!’ mentoring program for postdoctoral researchers, University of Münster
Mentor: Dr.Ursula Hamenstädt, University of Bonn
- 2019-22 Awarded multiple travel grants from Cluster of Excellence, University of Münster
- 2020 Oberwolfach Leibniz Graduate (OWLG) Travel Grant, MFO
- 2019 Recipient of department travel grant, UNC Greensboro (USD 1000)
- 2018 B.F. Bryant Prize for Excellence in Teaching, Department of Mathematics, Vanderbilt University (USD 1000)
- 2015-17 Awarded Graduate student travel grants by the Graduate school, Vanderbilt University (USD 500 each year)
- 2012 Highest scorer in University of Delhi, South Campus for M.A.Mathematics, University of Delhi
- 2012 Best Student in Mathematics, Semesters III & IV for M.A. Mathematics, University of Delhi
- 2011 South Campus Endowment Scholarship for academic excellence, University of Delhi (Tuition covered)

- 2011 Best Student in Mathematics, Semesters I & II for M.A. Mathematics, South Campus, University of Delhi
 2010 Scored among top 1% of students in B.A. Mathematics, University of Delhi
 2009 Anupama Dua Scholarship for excellence in B.A. Mathematics, Lady Shri Ram College, University of Delhi (Tuition covered)

RESEARCH PUBLICATIONS

1. S.Balasubramanya, T. Fernós; *Higher Rank Acylindricity Part IV: CAT(0) Cube Complexes*; In preparation (exp. 2028).
2. S.Balasubramanya, T. Fernós, with appendix by N. Brody; *Higher Rank Acylindricity Part III : QI-embedded subgroups and Irreducibility*; In preparation (exp. 2027).
3. S.Balasubramanya, T.Fernós; *Higher Rank Acylindricity Part II : Semi-simplicity*; arXiv:2407.04838v2 (2026, 58 pages).
4. S.Balasubramanya, T.Fernós; *Higher Rank Acylindricity Part I : Fundamentals*; arXiv:2512.21936 (2025, 53 pages).
5. S.Balasubramanya, M.Chesser, A. Kerr, J. Mangahas, M.Trin; *Stable subgroups of graph products*; arXiv:2511.11176 (2025, 36 pgs, Submitted).
6. S.Balasubramanya, F. Fournier-Facio, M. Zaremsky; *Hyperbolic actions of Thompsons group F and generalizations*; arXiv:2406.12982 (2024, 60 pages, Submitted).
7. S.Balasubramanya, M.Chesser, A. Kerr, J. Mangahas, M.Trin; *A note on non-recognizing spaces for stable subgroups*; Proceedings of the AMS, Vol. 153, No. 8 (2025), pg 3197–3207 (11 pgs).
8. S.H.Balasubramanya; *A survey on classifying group actions on hyperbolic spaces*; Topology at infinity of discrete groups (In honor of Prof. Mike Mihalik), AMS series Contemporary Mathematics, Vol. 812 (2025), 101-123(22 pgs).
9. S.Balasubramanya, F. Fournier-Facio, A.Genevois; *Property (NL) for group actions on hyperbolic spaces*, with Appendix by A.Sisto; Groups, Geometry & Dynamics, Vol. 19, No. 4 (2025), pg 1319–1371 (44 pgs). (Published online first in 2024).
10. C.Abbott, S. Balasubramanya, A.J.Rasmussen; *Valuations, completions and hyperbolic actions of metabelian groups*, with Appendix A co-authored with S.Payne; Journal of the London Mathematical Society, Volume 109, Issue 6 e12916 (2024), pg 1 -72 (72 pgs).
11. C.Abbott, S. Balasubramanya, A.J.Rasmussen; *Higher rank confining subsets and actions of solvable groups*; Advances in Mathematics, Volume 424 (2023), 109-145 (34 pgs).
12. S. H Balasubramanya; *Finite extensions of \mathcal{H} - and \mathcal{AH} -accessible groups*; Topology Proceedings Volume 56 (2020), pg 297-304 (8 pgs).
13. S. H Balasubramanya; *Hyperbolic structures on wreath products*; Journal of Group Theory (2020), ISSN (Print) pg 357-383 (27 pgs).
14. C. Abbott, S. Balasubramanya, D. Osin; *Hyperbolic structures on groups*; Algebraic & Geometric Topology 19-4 (2019), pg 1747-1835 (89 pgs).
15. S. H Balasubramanya; *Acylindrical group actions on quasi-trees*; Algebraic & Geometric Topology 17 (2017) pg 2145-2176 (32 pgs).

APPLIED MATH PAPERS (ECONOMIC THEORY)

1. S. Balasubramanya, S. Balasubramanya, A.Mitra; *Positive incentives for ground water*, In preparation.
2. Balasubramanya, S., Balasubramanya, S., Brozovic, N., Buisson, M., Chandra, A., Durga, N., Kafle, K., Kishore, A., Minh, T., Mitra, A., Mukherji, M., Ringler, C., Schmitter, P., Varshney, D., Verma, S., Yashodha, Y.; *Solar irrigation in South Asia and Sub-Saharan Africa: opportunities, challenges, risk and knowledge gaps*; *Background paper for The World Bank Flagship Report on Groundwater*; Science, 383, pp. 256-258 (2024, 3 pgs).
3. (Assisted with) S. Balasubramanya, J. Price, T. Horbulyk; *Impact assessments without true baselines: assessing the relative effects of training on the performance of water user associations in Southern Tajikistan*; Water Economics and Policy (2018), Vol. 4, No. 3, 1850007 (28 pgs).

RESEARCH WITH UNDERGRADUATES (* denotes an undergraduate coauthor)

1. S.Balasubramanya, G. Burkhalter*, R.Niebler*, R. Shapiro; *Property (NL) in Coexter groups*; The PUMP journal of undergraduate research 8 (2025), 472–485 (14 pgs).

TEACHING EXPERIENCE

<i>Lafayette College</i>	Spring 2026	– Instructor, Calculus II (2 sections) (with HUB MSGs run by Noah Schnipper and Chloe Schaffer)
	Fall 2025	– Instructor, Calculus I+ (with Prof. Ethan Berkove) (with HUB MSG run by Noah Schnipper)
		– Instructor, Calculus I (with HUB MSG run by Chloe Schaffer)
		– Instructor, Introduction to proofs and theoretical Maths (with HUB MSG run by Zoey Zhou)
	Spring 2025	– Instructor, Calculus II (2 sections) – Instructor, Introduction to Probability & Statistics
	Fall 2024	– Instructor, Introduction to proofs and theoretical Maths (with HUB MSG run by Zoey Zhou) – Instructor, Geometry
	Spring 2024	– Instructor, Calculus I – Instructor, Vector Spaces
	Fall 2023	– Participated in the Student Pedagogical Partnership Program, CITLS
		– Instructor, Calculus III (2 sections) – Designing Your First Lafayette Courses, Online Module Certificate; Designed by the CITLS and Learning & Research Technologies
	<i>SUNY Buffalo</i>	Spring 2023
Fall 2022		– Instructor, Survey of Calculus and Applications I (2 sections) Supervised 2 TA's and 1 grader
<i>Summer Schools</i>	July 2025	– Mini-course on acylindrically hyperbolic groups, University of Hawaii at Manoa Topological and analytic methods in group theory II
	May 2022	– Instructor, Introductory course on hyperbolic groups and boundaries – ICMAT (Ian Agol Lab), Spain
	June 2020	– Instructor, Mini-course on Acylindrically and Relatively hyperbolic groups, Geometric group theory without boundaries II
<i>University of Münster</i>	Fall 2021	– Teaching Assistant, Geometric Group Theory II
<i>UNC Greensboro</i>	Spring 2019	– Instructor, Calculus I (1 section), Calculus II (2 sections) Supervised 2 graders
	Fall 2018	– Instructor, Pre-Calculus (2 sections), Calculus I (1 section) Supervised 1 grader
<i>Vanderbilt University</i>	Spring 2018	– Instructor, Calculus 1301 Supervised 1 TA
	Spring 2017	– Teaching Assistant, Calculus 1301
	Fall 2016	– Instructor, Calculus 1200 Supervised 1 TA
	Spring 2016	– Teaching Assistant, Calculus 1301
	Fall 2015	– Instructor, Statistics Laboratory
	Spring 2015	– Teaching Assistant, Probability and Statistics
	Fall 2014	– Teaching Assistant, Calculus 1200
	Spring 2014	– Teaching Assistant, Linear Algebra
	Fall 2013	– Grader, Calculus 1301

SERVICE – OUTREACH – LEADERSHIP

- Math & Art*
- Guest lecture, *Understanding Dance*, School of Dance, Oklahoma University, Fall 2025
 - Guest speaker on Indian Classical dances, *World Theater I*, Lafayette College, Fall 2025
 - International students association Grand Finale 2024 : Presented *Science in Sacred spaces*
 - JMM 2024 : Choreographed and presented *Science in Sacred spaces*-
A dance presentation based on South Indian Temple architecture, set in Bharatanatyam
- REU Experience*
- Guest speaker, Daily Gather, MathLy-EST program, Bryn Mawr College, June 2025
Thinking outside the plane - welcome to the geometry multiverse!
 - Mentor and Project leader: Property (NL) in Coxeter groups
REU at Georgia Tech University, Summer 2023; Supervised by Dan Margalit
- Conference organizer*
- Special session on Geometric group theory, 59th STDC, University of Alabama at Birmingham, March 11–13, 2026 (with Thomas Ng)
 - Organized a panel on “Mentor Mosaic – Mentoring and advising undergraduates”
Project NExT, JMM, 2025
 - Special session on Geometric group theory, 57th STDC, UNC Charlotte, March 6–9, 2024 (with Alex Rasmusen and Hannah Hoganson)
 - AMS Special session on Geometric Group Theory, Georgia Tech University, 2023 (with Dan Margalit, Ryan Dickmann, Abdoul Karim Sane)
 - NCNGT, Topics group on ‘Group actions on hyperbolic metric spaces’, 2022 (with Alex Rasmussen)
- Project Leader*
- Projection complexes and course cubulations (with J. Mangahas);
Women in Groups, Geometry and Dynamics (WiGGD) Workshop, July 2023
- Committee member*
- Yunting Jiang, Honors Thesis committee, Lafayette College, 2025
 - Bratati Som, PhD Thesis defense, SUNY Buffalo, 2025
 - ————”, PhD candidacy exam, SUNY Buffalo, 2022
 - Arya Vadnere, PhD candidacy exam, SUNY Buffalo, 2023
- Mentor*
- Math Alliance Project, August 2024 – present
- Served as a Referee*
- Bulletin of the LMS
 - Michigan Math Journal
 - Journal of Topology and Analysis
 - Journal of Group Theory
 - Journal of Pure and Applied Algebra
 - Mathematical Proceedings of the Cambridge Philosophical Society
- Lafayette College*
- Service to the College*
- Faculty representative, Fridays at Lafayette Meet and Greet, Spring 2026
 - Member, The Residential Experience Action Team (Strategic Planning), Fall 2025 – present
 - Representative from the Division of Math and Sciences,
Off-Campus Studies Advisory Committee, Fall 2024 – present
 - Garba demonstration, Diwali celebrations, Fall 2024
 - Performer, *Performing the Trail*, Lafayette Arts week, Fall 2024
 - Presented a Lecture-demonstration on Indian classical dances with Prof. Nandini Sikhand,
Lafayette Arts week, Fall 2024
 - Panel member, Faculty panel on the university system and classroom culture,
International Orientation, Fall 2024
 - Panel member, AAPI Faculty Panel for Heritage month, Spring 2024
 - Volunteer, Breakfast at Midnight, Fall 2023
 - International Friendship Partner, Fall 2023 – present
 - CaPA advisor to Shreya Suresh, Lafayette College, Spring 2024 – present

Service to the Department

- Tenure track position search committee, Fall 2025
 - Committee member, Kovalevsky society, Dept. of Mathematical Sciences, Fall 2024 – present
 - Cryptography contest organizer/speaker, Dept. of Mathematical Sciences, Spring 2024 – present
 - Designed *Handbook for Incoming International Math Graduate Students*, 2022
- SUNY Buffalo*
- University of Münster*
- MM Departure Talk : Applying for academic jobs in the USA vs Europe, Fall 2022
 - Mentor, MINT mentoring program for women in math (Masters students), 2022–24
Mentees: Annagret Wittig, Jorunn Mense, Doris Grothusmann
 - Member, Task force to help mathematicians from Ukraine, Spring 2022
 - Organizer, GGT Seminar, Spring 2022
 - Member, W2 Appointment Committee, Dept. of Mathematics, 2021
 - Organizer and Volunteer, MM Buddy Program, 2020–22
 - Organizer, MM Connect sessions, 2020–21
 - Member, W2 Appointment Committee, Dept. of Mathematics, 2021
 - Organizer and Volunteer, MM Buddy Program, 2020–22
 - Organizer, MM Connect sessions, 2020–21
 - Organizer, Welcome Center Event meets MM, 2020
 - Organizer, MMGS Retreat for PhD students, 2020–22
 - MM Impulse talk on postdoctoral job market preparation in academia, 2019
- UNC Greensboro*
- Academic career panel member, AWM conference, Wake Forest University, 2019
 - House calls Volunteer, Housing and Residence Living, 2018
 - Chair, Diversity Committee, Department of Mathematics and Statistics, 2018–19
 - Organizer, Ping-Pong seminar between UNCG and Wake Forest University, 2018–19
 - Member, State Math Contest Committee, Department of Mathematics and Statistics, 2018
- Vanderbilt University*
- Vanderbilt Global Ambassador, 2013–18
 - Graduate student teaching assistant panel member, 2016–18
 - Helped organize several conferences, 2013–18
- University of Delhi*
- Talk on ‘Career prospects in Mathematics’, Lady Sri Ram College, 2021 (*Virtual*)
 - Organized several seminars at Department of Mathematics, 2007–12
 - Editorial Board, ‘Quantum- A Mathematical Gazette’, Lady Shri Ram College, 2008–10

LANGUAGES

- Programming languages: R, LaTeX, C++, Qbasic, FORTRAN
- Fluent in English and Hindi (Native), German (B1/B2 level)

LIST OF TALKS (SEMINARS & CONFERENCES)

Upcoming talks/conferences

- March 11 - 13, 2026 ◦ Organizer, GGT special session, STDC, University of Alabama, Birmingham
- April 8, 2026 ◦ Mathematics Colloquium, Rutgers-Newark
- April 11, 2026 ◦ EPaDel meeting, Shippensburg University
- June 1-5, 2026 ◦ GAGTA conference, CUNY, USA
- July 13 -17, 2026 ◦ Groups, Geometry & Dynamics Colloquium series, Vanderbilt University

- 2025
 - Poster presentation, Workshop at Isaac Newton Institute, University of Cambridge, UK, Actions of groups on graphs and metric spaces
 - Poster presentation, M.Bridson's 60th birthday conference, Trinity College, Ireland
 - Topology seminar "Prospectos en Topología", UNAM Morelia (*Virtual*)
 - Colloquium, West Chester University, PA
 - Geometry seminar, Oklahoma University
 - Semi-plenary speaker (GGT), Spring Topology & Dynamics Conference, Christopher Newport University
- 2024
 - Geometry and Topology seminar, Vanderbilt University
 - International Young Seminar on Bounded Cohomology and Simplicial Volume (*Virtual*)
 - Topology and Geometry seminar, Temple University
 - Groups, Logic and Dynamics (GLaD) meeting, Rutgers University
 - Topology seminar, UT Knoxville
 - UW Milwaukee Topology seminar (*Virtual*)
 - AMS special session on Geometric Group Theory III, JMM
 - AMS contributed paper session on Topological groups, Lie Groups and Group Theory, JMM
- 2023
 - GGT online seminar series, UNAM, Mexico (*Virtual*)
 - Combinatorics, Algebra & Geometry (CAGE) seminar, Penn State & Drexel Univ, USA
 - 60th birthday conference of Prof. Katrin Tent), University of Münster, Germany
 - Geometry, Topology and Dynamics seminar, Boston College, USA
 - World of GroupCraft III, USA (*Virtual*)
 - Interactions between Algebraic Topology and GGT, BIRS-CMO Conference, Oaxaca, Mexico
 - Geometry and Topology seminar, Binghampton University, USA
 - Algebra and Topology seminar, SUNY Albany, USA
 - Special session for Mike Mihalik's 70th birthday, AMS Sectional meeting, University of Cincinnati, USA
 - Topology and Geometric group theory seminar, Cornell University, USA
 - Max Dehn seminar, University of Utah, USA
 - Hyperbolic Lunch seminar, University of Toronto, Canada
 - Seminar talk, Skidmore College, USA
 - MAAD talk, Lafayette College, USA
- 2022
 - Algebra Seminar, Niagara University, USA
 - World of GroupCraft (*Virtual*)
 - Group theory seminar, ETH Zürich
 - Groups in Galway meets the Irish Geometry Conference, National University of Ireland (*Virtual*)
 - Group theory seminar, SUNY Buffalo, USA (*Virtual*)
- 2021
 - Geometric Group Theory Seminar, WWU Münster, Germany
 - Geometry and Analysis on Groups Research Seminar, University of Vienna, Austria
 - Algebra, Geometry and Topology seminar, Universidad Madrid, Spain
 - Geometric Group Theory in East Asia, GGTea webinar (*Virtual*)
 - Geometry and Topology seminar, CUNY, USA (*Virtual*)
 - Geometry and Topology seminar, Rice University, USA (*Virtual*)
 - Post Graduate Topology Conference, University of Southampton, UK (*Virtual*)
- 2020
 - Advanced seminar on Model Theory and Groups, WWU Münster, Germany
 - Geometric Structures in Group Theory workshop, MFO Oberwolfach, Germany
 - Geometric Group Theory conference, CIRM, Luminy France
 - Lightning talk, YGGT IX, Saint Jacut-de-la-mer, France
- 2019
 - Advanced seminar on Model Theory and Groups, WWU Münster, Germany
 - Geometric Group Theory Seminar, WWU Münster, Germany
 - WWU Münster Mathematics department colloquium "Meet the postdocs", Germany
 - Spring Topology and Dynamics Conference, University of Alabama at Birmingham, USA
 - Seminar talk, Spelman College, USA
 - Geometry Seminar, University of Virginia, USA
 - Seminar talk, Furman University, USA
 - Topology and Geometric Group Theory Seminar, Cornell University, USA
 - Group Theory and Topology seminar, Vanderbilt University, USA

- 2018
 - Lightning Talk, Tech Topology Conference, Georgia Tech University, USA
 - AMS Sectional Meeting, University of Arkansas, USA
 - Geometry-Topology Seminar, Duke University, USA
 - GANTC (Geometry, Algebra, Number Theory and Combinatorics) seminar, UNC Greensboro, USA
 - WINRS symposium - Mid Atlantic Region, University of Virginia, USA
 - Summer Conference on Topology and its Applications, Western Kentucky University, USA
 - AMS Sectional Meeting, Vanderbilt University, USA
 - Colloquium Series, Gettysburg College, USA
 - AMS Special Session on Boundaries for Groups and Spaces, Joint Mathematics Meeting, USA
 - AMS Contributed Paper Session on Groups, Joint Mathematics Meeting, USA

- 2017
 - Geometric Group Theory seminar, Ohio State University, USA
 - Algebra seminar, Loyola University, USA
 - Geometry and Topology seminar, Graduate Centre, CUNY, USA
 - Wasatch Topology Conference, Utah, USA
 - yGAGTA Conference, Spain
 - Research Seminar, Women and Math program, IAS, Princeton, USA
 - 51st Spring Topology and Dynamics Conference, New Jersey City University, USA
 - Geometric group theory on the gulf (G^3) conference, Florida, USA
 - Group theory and Topology seminar, Vanderbilt University, USA

- 2016
 - Group theory and Topology seminar, Vanderbilt University, USA
 - Poster presentation, YGGT V, KIT, Karlsruhe, Germany

SUMMER SCHOOLS, WORKSHOPS & CONFERENCES ATTENDED

- 2025
 - Project NeXT, MAA Math Fest, Sacramento
 - GAGTA: Groups, Logic & Computation - In honor of Prof. Alexei Miasnikov
Stevens Institute of Technology, USA
 - Groups in Geometry, Analysis, and Logic, Vanderbilt University, USA
- 2024
 - Canaryfest 6.2: In honor of the 60th birthday of Prof. Richard Canary, Cetraro, Italy
 - Project NExT Mathfest, Indianapolis, Indiana, USA
 - GeMTRAK, University of Pennsylvania, USA
- 2022
 - Lean for the curious mathematician, ICERM (*Virtual*)
 - Hyperbolic groups and their generalizations, IHP, Paris, France
- 2021
 - Buildings Conference, Universität Magdeburg, Germany
 - Counting Problems, Ventotene, Italy
 - YGGT X, Newcastle University (*Virtual*)
 - Modern Leadership is Female, WWU, Germany
- 2020
 - Topology Postdoc Workshop, Georgia Tech, USA
 - BiMs Seminar, Bielefeld Universität, Germany
- 2019
 - Miniworkshop - Geometric Group Theory, LMU, Germany
- 2017
 - GAGTA, Spain
- 2016
 - ‘Beyond Hyperbolicity’, Cambridge University, UK
 - Shanks workshop on Geometric Group Theory, Vanderbilt University, USA
- 2015
 - Summer school at EPFL -CIB: Probability on graphs and random walks, Switzerland
 - MSRI Geometric Group Theory Summer Graduate School, MSRI Berkeley, USA

PROFESSIONAL MEMBERSHIPS

- 2024–26 MAA
- 2023–26 AMS (Faculty)
- 2017 IAS Women and Math
- 2013–18 AMS (Graduate student)

MEDIA COVERAGE

- Articles discussing the *Science* paper:
 - Forbes, April 2024
 - Yale Environment 360, February 2024
 - Environmental News network, January 2024
 - Waterloo News, January 2024
 - MyScience, January 2024
 - TechXplore, January 2024
 - Heise online (German), January 2024
- Today at Elon (JMM Math Variety Show Review), January 2024
- JMM Math and Dance piece description, January 2024
- Lecture on *Actions of solvable groups on hyperbolic spaces*, Banff International Research Station, Interactions between Algebraic Topology and Geometric Group Theory, Casa Mathematics Oaxaca, May 2023
- Lecture on *(Non-) recognising spaces for stable subgroups*, World of Groupcraft, September 2023
- Lecture on *Property (NL) for hyperbolic actions*, World of Groupcraft, September 2023
- Math and Dance, Interview at ICMAT, Spain, June 2022
- Mincourse on *Acylindrically and Relatively hyperbolic groups*, Geometric group theory without borders, June 2021
- Lecture on *Quasi-parabolic structures on groups*, CIRM Virtual event, June 2020
- PhD to Postdoc: Dr. Sahana H Balasubramanya, Interview for WWU Münster, January 2020
- B.F. Bryant Award for Excellence in Teaching, May 2018
- Lecture on *Acylindrically hyperbolic structures on groups*, WAM program, IAS, Princeton, 2017

EXPOSITORY WRITING

1. *Reproducing Kernel Hilbert spaces* (with M. Kumar), *Éclat - A Mathematics Journal*, Department of Mathematics, Lady Shri Ram College for Women, Volume IV, 2013
2. *Holonomy group of a Surface*, *Éclat - A Mathematics Journal*, Department of Mathematics, Lady Shri Ram College for Women, Volume III, 2012
3. *Complex Integration*, *Éclat - A Mathematics Journal*, Department of Mathematics, Lady Shri Ram College for Women, Volume II, 2011

NON ACADEMIC WRITING

- *Dear Parker Pen Company*, Global Expressions - Writing Beyond the Mother Tongue, Lafayette College September 2024